

The Competitive Edge Obtained from Private Support

President Wayne Clough

Georgia Tech Foundation
Georgia Tech Alumni Association
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Three Case Studies

- The leverage of a cluster of endowed chairs – maintaining ISyE's No. 1 rank
- Attracting the truly exceptional student for Ph.D. study at Tech
- Going beyond the conventional – the Advanced Computing Technology Building

Endowed Chairs

World-class programs

- Hire bright young faculty members
- Retain outstanding mid-career faculty
- Attract “super-star” faculty

“The best team with the best people wins.”

Jack Welch

Former CEO, GE

Endowed Chairs

Groups of chairs create synergy

- Instead of just one of the world's top experts, you can get several.
- If you can simultaneously recruit two top experts in the same specialty, the opportunity to locate to the same university becomes a major attraction for both of them.
- Strategic use of endowed chairs by a school or department can increase national prominence in a relatively short time.

Endowed Chairs

The ISyE story

- Ranked #1 in the nation for 12 years
- Competition keeps getting tougher
- Succession needed for super stars:
 - John Jarvis, Stewart School Chair
 - George Nemhauser, A. Russell Chandler Chair
 - Ellis Johnson, Coca-Cola Chair
 - Hugh Ratliff, UPS Distinguished Professorship
- Challenge: Use endowed positions strategically to make the school even stronger and maintain that #1 ranking

Endowed Chairs

Endowed chairs to the rescue

Filled within the past year:

- Milt & Carolyn Stewart School Chair
- Transportation and Logistics Chair
- Anderson-Interface Chair (visiting)
- John P. Hunter Jr. Chair
- Russ & Sammie Chandler Chair
- Coca-Cola Chair
- William W. George Professor of Health Systems
- Edenfield Executives in Residence (2)

Endowed Chairs

A burst of star power



Bill Rouse and Chip White knew each other for 25 years. “Frosting on the cake” to be at the same institution.

William Cook, Jan Lenstra, and Karen Aardal negotiated a three-way contract.



Endowed Chairs

Holding that #1 position

- Filling 4 campaign chairs in ISyE in the past year had a direct positive impact on recruiting for 8 more faculty positions.
- New undergraduate initiative will create opportunities for students to interact with these eminent faculty.
- New faculty will propel some areas to the forefront (engineering statistics) and help define new areas of expertise (environmental/biological specialization).

Endowed Chairs

Attracting faculty “stars”

Entrepreneurial culture

+

Flexibility to be
entrepreneurial, but
no resources

**Resources and the
flexibility to be
entrepreneurial in
using them!**

Resources

-

No resources, no
opportunity to be
entrepreneurial

+

Resources, but no
flexibility to use
them creatively

-

Graduate Fellows

Why do we need exceptional graduate students?

- Exceptional graduate students drive world-class research.
- Exceptional graduate students become the super-stars of tomorrow, and their career accomplishments help to build our reputation.

Graduate Fellows

Who is our competition?

Top 3

MIT

Stanford

U Cal Berkeley

Other Major

U of Michigan

Illinois U-C

Cornell

Purdue

Graduate Fellows

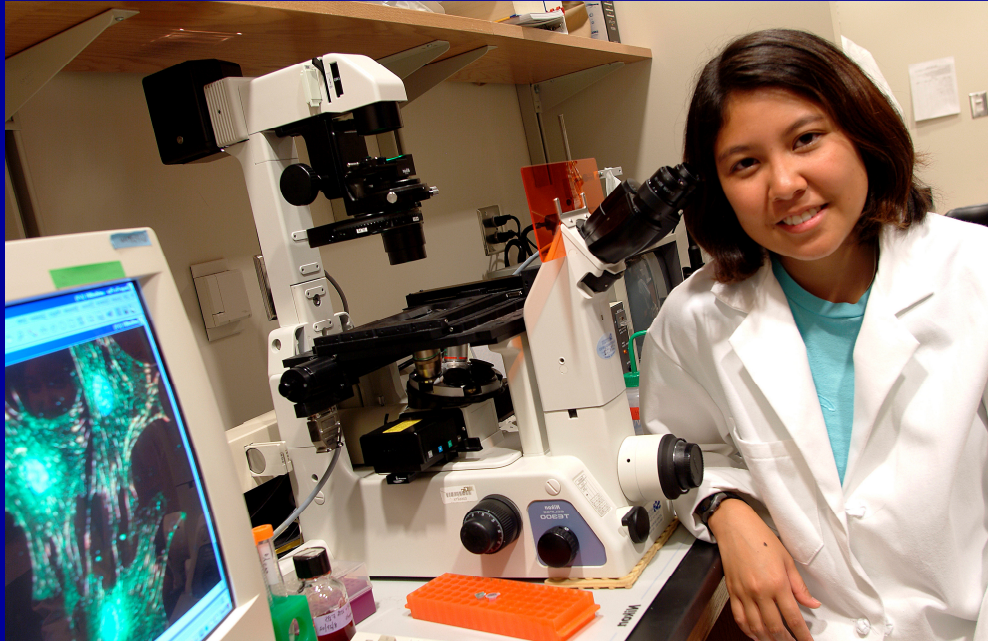
Institute and Presidential Fellows

	<u>Institute</u>	<u>Presidential</u>
# of Fellows	27	400
Undergrad GPA	3.96	3.75
GRE Score	2177	2030
Stipend	\$11,000	\$5,500

Come from: MIT, Stanford, Berkeley, Michigan, Illinois, Texas, Princeton, Penn State, Virginia Tech, Cornell, Duke, Northwestern

Graduate Fellows

Institute Fellow: Catherine Reyes



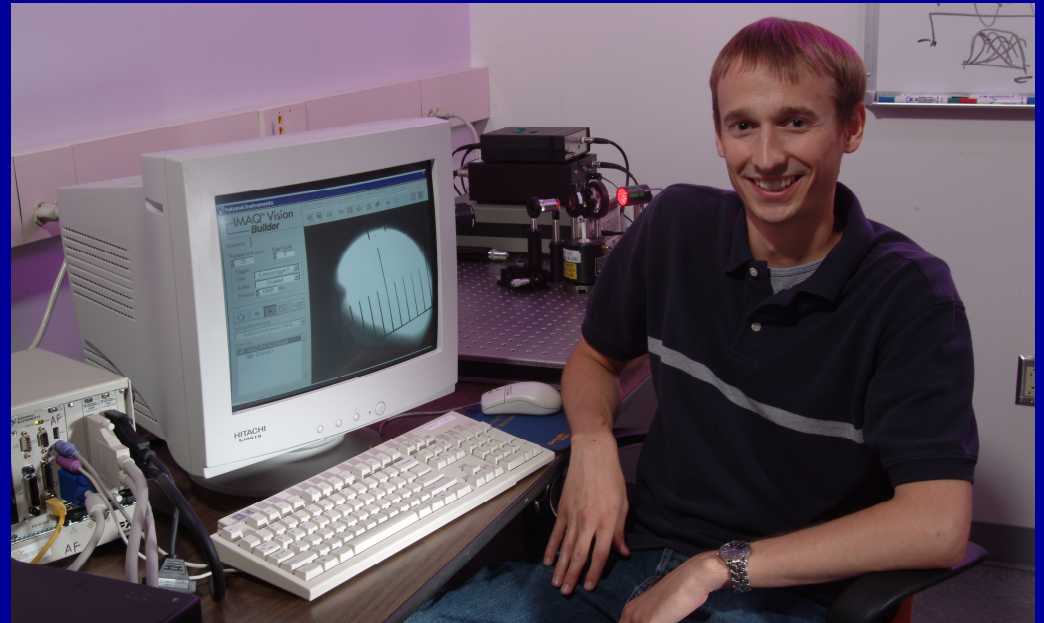
“Getting the Institute Fellowship definitely solidified my decision to come to Georgia Tech.”

- Bachelor's degree from MIT
- Research area: synthetic biomaterial for orthopedic implants
- Career goal: industry research

Graduate Fellows

Institute Fellow: Mark Meacham

- Also an NSF Fellow
- Research area: tiny fuel cells to replace batteries now used in cell phones and PDAs
- Chose Georgia Tech over Stanford University



“The Institute Fellowship was the deciding factor in selecting Georgia Tech.”

Klaus ACT

Creating an IT cluster

IBB and BME

Klaus ACT

**College of
Computing**

**Pettit Micro-
electronics
Research Center**

**School of
Electrical and
Computer
Engineering**



Klaus ACT

Chris Klaus gives \$15 m

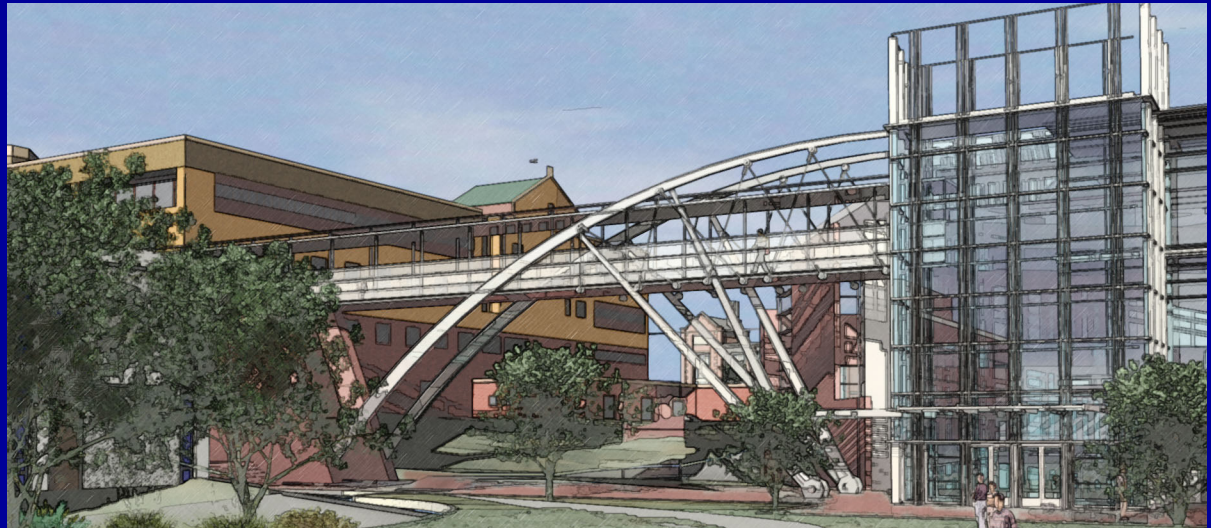
- Started Internet Security Systems in his Tech dorm room.
- Among MIT's top 100 young innovators for 1999.
- Regarded among the world's foremost security experts.
- Youngest of *Forbes* 100 wealthiest tech gurus for 1999.
- Youngest philanthropist at this level of giving.



Klaus ACT

Private funding will

- Add \$26.5 m (total: \$62.5 m; state funds: \$36 m)
- Increase the size of the building by 85,000 gsf
- Add a 600-space parking facility
- Build a connecting walkway to College of Computing and Micro-electronics Research Center





Klaus Advanced Computing Building

